



MATERIAL SAFETY DATA SHEET

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Isobutylbenzene, 99.5%

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Isobutylbenzene, 99.5%

Catalog Numbers:

15096-0000, 15096-1000, 15096-5000

Synonyms:

2-Methyl-1-phenylpropane

Company Identification (Europe): Acros Organics BVBA

Janssen Pharmaceuticaaan 3a
2440 Geel, Belgium

Company Identification (USA): Acros Organics

One Reagent Lane
Fairlawn, NJ 07410

For information in North America, call: 800-ACROS-01

For information in Europe, call: 0032(0) 14575211

For emergencies in the US, call CHEMTREC: 800-424-9300

For emergencies in Europe, call: 0032(0) 14575299

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS # : 538-93-2
 Chemical Name : Isobutylbenzene
 % : 99.5%
 EINECS# : 208-706-2
 Hazard Symbols : XN
 Risk Phrases : 10

CAS#	Chemical Name	%	EINECS#	Haz Symbols	Risk Phrases
538-93-2	Isobutylbenzene	99.5%	208-706-2		

Hazard Symbols: XN

Risk Phrases: 10

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Flammable. Harmful: may cause lung damage if swallowed. Light sensitive.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation.

Ingestion:

May cause irritation of the digestive tract. May cause lung damage.

Inhalation:

May cause respiratory tract irritation.

Chronic:

Not available.

SECTION 4 - FIRST AID MEASURES

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Get medical aid. Wash mouth out with water.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

SECTION 5 - FIRE FIGHTING MEASURES

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Flammable liquid and vapor.

Extinguishing Media:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use water spray, dry chemical, carbon dioxide, or chemical foam.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

SECTION 7 - HANDLING and STORAGE

Handling:

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep away from heat, sparks and flame.

Storage:

Keep away from heat, sparks, and flame. Store in a cool, dry place.
Store in a tightly closed container.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes:

Wear chemical goggles.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear liquid

Color: colorless

Odor: Not available.

pH: Not available.

Vapor Pressure: 5mmHg @21 deg C

Viscosity: 1.05 cP @20 deg C

Boiling Point: 170 deg C @736mmHg

Freezing/Melting Point: -51 deg C

Autoignition Temperature: 427 deg C (800.60 deg F)

Flash Point: 55 deg C (131.00 deg F)

Explosion Limits, lower: 0.8 Vol %

Explosion Limits, upper: 6 Vol %

Decomposition Temperature:

Solubility in water: Insoluble.

Specific Gravity/Density: 0.850

Molecular Formula: C₁₀H₁₄

Molecular Weight: 134.22

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials:

Strong oxidizing agents.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 538-93-2: DA3550000

LD50/LC50:

Not available.

Carcinogenicity:

Isobutylbenzene -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - TRANSPORT INFORMATION

IATA

Shipping Name: BUTYLBENZENES

Hazard Class: 3

UN Number: 2709

Packing Group: III

IMO

Shipping Name: BUTYLBENZENES

Hazard Class: 3

UN Number: 2709

Packing Group: III

RID/ADR

Shipping Name: BUTYLBENZENES

Hazard Class: 3

UN Number: 2709

Packing group: III

SECTION 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 10 Flammable.

R 65 Harmful: may cause lung damage if swallowed.

Safety Phrases:

S 16 Keep away from sources of ignition - No

smoking.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 538-93-2: No information available.

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 538-93-2 is listed on Canada's DSL List.

CAS# 538-93-2 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 538-93-2 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

MSDS Creation Date: 7/16/1996 Revision #1 Date: 2/02/2004

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